

BIOL 2102

Anatomy & Physiology II Lab

Spring 2026

CREDIT

3 Semester Credit Hours (lecture)

MODE OF INSTRUCTION

Face to Face

PREREQUISITE/CO-REQUISITE:

Pre-requisite Biol 2101 and 2301

Passed the Reading/Writing Sections of TSI or any other accepted test

Co-requisite Biol 2102

COURSE DESCRIPTION

Anatomy & Physiology II is the second part of a two-part sequence. It is a study of the structure and function of the human body, including the following systems: endocrine, cardiovascular, immune, lymphatic, respiratory, digestive (including nutrition), urinary (including fluid and electrolyte balance), and reproductive (including human development and genetics). Emphasis is on interrelationships among systems and regulation of physiological functions involved in maintaining homeostasis.

COURSE OBJECTIVES

Upon completion of this course, the student will be able to

- Use anatomical terminology to identify and describe the locations of major organs of each system covered.
- Explain interrelationships among molecular, cellular, tissue, and organ functions in each system.
- Describe the interdependency and interactions of the systems.
- Explain the contributions of organs and systems to the maintenance of homeostasis.
- Identify causes and effects of homeostatic imbalances.
- Describe modern technology and tools used to study anatomy and physiology.

INSTRUCTOR CONTACT INFORMATION

Instructor:	Dr. Gradee Davis, Pharm.D.
Email:	gldavis@libertyisd.net
Office Phone:	936-587-2119
Office Location:	Liberty High School, Rm 111
Office Hours:	6:40 am to 7:10 am Monday-Thursday

Approved: **Initials/date**



REQUIRED TEXTBOOK AND MATERIALS

OpenStax Anatomy & Physiology Levels I and II Anatomy and Physiology from OpenStax, Print ISBN 1938168135, Digital ISBN 1947172042

ATTENDANCE POLICY

- 1) Regular and Punctual attendance is expected for all students in all classes for which they are registered. If a student is tardy, they may enter if they do so quietly.
- 2) Roll will be taken every day at the beginning or end of class.
- 3) Attendance policies of Liberty Independent School District will be followed as outlined in the student handbook.

DROP POLICY

If you wish to drop a course, you are responsible for initiating and completing the drop process by the specified date as listed in the College Calendar on the [Student Success](#) web page. If you stop coming to class and fail to drop the course, you will earn an "F" in the course.

COURSE CALENDAR

Week 1- Endocrine System
Week 2- Endocrine System
Week 3- Cardiovascular System
Week 4- Cardiovascular System
Week 5- Lymphatic System
Week 6- Lymphatic System
Week 7- Respiratory System
Week 8- Respiratory System
Week 9- Digestive System
Week 10- Digestive System
Week 11- Urinary System
Week 12- Reproductive System

COURSE EVALUATION

Final grades will be calculated according to the following criteria:

- Daily grades 40%
- Major grades 60%

GRADE SCALE

- 90-100 A
- 80-89 B
- 70-79 C
- 60-69 D
- 0-59 F

TECHNICAL REQUIREMENTS

For the latest technical requirements, including hardware, compatible browsers, operating systems, etc., review the Minimum Computer and Equipment Requirements on the [LIT Online Experience](#) page. A functional broadband internet connection, such as DSL, cable, or WiFi is necessary to maximize the use of online technology and resources.

DISABILITIES STATEMENT

The Americans with Disabilities Act of 1990 and Section 504 of the Rehabilitation Act of 1973 are federal anti-discrimination statutes that provide comprehensive civil rights for persons with disabilities. LIT provides reasonable accommodations as defined in the Rehabilitation Act of 1973, Section 504 and the Americans with Disabilities Act of 1990, to students with a diagnosed disability. The Special Populations Office is located in the Eagles' Nest Room 129 and helps foster a supportive and inclusive educational environment by maintaining partnerships with faculty and staff, as well as promoting awareness among all members of the Lamar Institute of Technology community. If you believe you have a disability requiring an accommodation, please contact the Special Populations Coordinator at (409)-951-5708 or email specialpopulations@lit.edu. You may also visit the online resource at [Special Populations - Lamar Institute of Technology \(lit.edu\)](#).

STUDENT CODE OF CONDUCT STATEMENT

It is the responsibility of all registered Lamar Institute of Technology students to access, read, understand and abide by all published policies, regulations, and procedures listed in the *LIT Catalog and Student Handbook*. The *LIT Catalog and Student Handbook* may be accessed at www.lit.edu. Please note that the online version of the *LIT Catalog and Student Handbook* supersedes all other versions of the same document.

ARTIFICIAL INTELLIGENCE STATEMENT

Lamar Institute of Technology (LIT) recognizes the recent advances in Artificial Intelligence (AI), such as ChatGPT, have changed the landscape of many career disciplines and will impact many students in and out of the classroom. To prepare students for their selected careers, LIT desires to guide students in the ethical use of these technologies and incorporate AI into classroom instruction and assignments appropriately. Appropriate use of these technologies is at the discretion of the instructor. Students are reminded that all submitted work must be their own original work unless otherwise specified. Students should contact their instructor with any questions as to the acceptable use of AI/ChatGPT in their courses.

STARFISH

LIT utilizes an early alert system called Starfish. Throughout the semester, you may receive emails from Starfish regarding your course grades, attendance, or academic performance. Faculty members record student attendance, raise flags and kudos to express concern or give

praise, and you can make an appointment with faculty and staff all through the Starfish home page. You can also login to Blackboard or MyLIT and click on the Starfish link to view academic alerts and detailed information. It is the responsibility of the student to pay attention to these emails and information in Starfish and consider taking the recommended actions. Starfish is used to help you be a successful student at LIT.